



# NITFS Compliance Registration



**Product:** Dissemination Element (DE) Version 4.2.1 Build 623 (ERS 00) **Date:** March 17 2005

**Sponsor:** National Geospatial-Intelligence Agency (NGA)

**Expiration:** March 16 2007

**Registration #:** 134

**Developer:** Lockheed Martin Management and Data Systems

- ☐ Initial Registration  
☒ Supplemental/Update # 134  
☐ Derived from Reg. #

☒ **System**  
N-0105/98, §4.1.1

☐ **Product**  
N-0105/98, §4.1.2

☐ **Component**  
N-0105/98, §4.1.3

Complexity Level							
NITF 2.1 CLEVEL							
	3	5	6	7			
Interpret							
Generate							
NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Oth
Interpret							
Generate							

## Configurations Tested:

- Sun Client - E-450- Sun Solaris 2.6 [CLEVELs 1-6]  
Image Formats: Full, IMP, Chips, 8/8 and 11/16 Bits

- Sun Server - E6000 - Sun Solaris 8 [CLEVELs 4-6]  
Image Formats: Full, IMP, RRDS, 11/16 Bit

## NITFS Features Implemented:

### Format

#### NITF

☐ V2.1

☒ V2.0

☐ V1.1

#### NSIF

☐ V1.0

### Pixel Value Types

☐ Boolean

☒ Integer

☐ Signed Integer \*

☐ IEEE Real \*

☐ IEEE Complex \*

### Annotation Segment Types

☐ Bit Mapped \*\*

☐ CGM, 2301

☐ CGM, 2301A

☐ Labels \*\*

### Text Segments

☐ STA

☐ UT1

☐ U8S

☐ MTF

### Image Segment Types

☒ MONO

☐ RGB

☐ RGB/LUT

☐ YCbCr

☐ MULTI

☐ NODISPLAY

☐ POLAR

### Image Compression

☒ Not Compressed

☐ JPEG Lossy, 8-bit

☐ JPEG Lossy, 12-bit

☐ JPEG Downsampling

☐ JPEG Lossless

☐ JPEG 2000

☐ Bi-Level

☐ Vector Quantization

☐ Multispectral JPEG, Individual Band

### Data Extension Segments

☐ TRE\_OVERFLOW

☐ STREAMING\_FILE\_HEADER

☐ Controlled Extensions \*\*

☐ Registered Extensions \*\*

### Tagged Record Extensions

☒ PIAE - PIAPRC

☒ National SDE - ALL

☐

**NOTE:** Version supports unaltered "pass through" of JPEG compressed and uncompressed NITF products.

Legend  
Interpret  
Generate  
☒ Fully implemented  
☒ Partially implemented  
☐ Not implemented

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.

EDWARD E. BOYLES, Division Chief  
Joint Interoperability Test Command  
Executive Agent to National Imagery & Mapping Agency  
for the NITFS Test and Evaluation Program